7th Grade Science

Wednesday, Oct. 5th 2011

Unit: Genetics

Objective / TEK:

**7:14 (A,B,C)**

A) defineheredityasthepassageofgeneticinstructionsfromonegenerationtothe

next generation

B) comparetheresultsofuniformordiverseoffspringfromsexualreproductionor

asexual reproduction. ***Supporting Standard-Category 4***

C) recognize that inherited traits of individuals are governed in the genetic material

found in the genes within chromosomes in the nucleus. ***Supporting Standard-***

***Category 4***

**LSM-PE.5.1.3** Give examples of various scientists whose ideas built upon and/or revised Mendel’s model of inheritance.

**LSM-PE.5.2.1** Evaluate consistency and accuracy of representations illustrating the major components of the Watson–Crick double-helix model of DNA.

**LSM-PE.5.2.2** Construct a representation of DNA replication, showing how the helical DNA molecule unzips and how nucleotide bases pair with the DNA template to form a duplicate of the DNA molecule.

Lesson: Students will…..

Construct a DNA Model using whatever material they choose

They will be expected to explain the parts of their model (DNA) and they can also label the parts of their model

Closure:

I will explain that they have today and Thursday to work on their model and they are due Friday. They will present to the class.